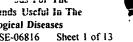
Screening Of Compounds Useful In The Treatment Of Neurological Diseases Atty. Docket No.: CASE-06816 Sheet 1 of 13



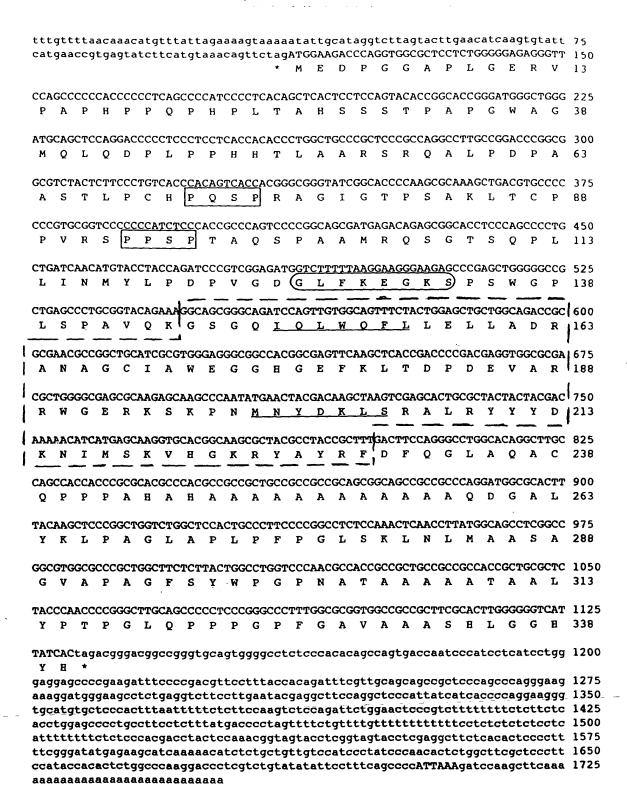


FIG. 1

| | | | | | | | | • | | | | Tr | eat | mei | ıt (| of N | omj Veur .: (| olo | gica | al D |) ise: | ases | ; | ie i 2 | of i | <u> </u> | , | | |
|----|----------------|------------|------------|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------------|------------|-------------|------------|------------|---------------------|-------------|-------------|------------|-------------------|------------|------------|------------|
| - | RF | ΚF | KF | ! | KF | RF | RF | R.F | RF | RF | K | | - | | | | | | | | O | _ | | Ö | | | O. | Di I | K.F |
| 82 | KVH-GKRYAY | KVH-GKRYAY | KVH-GKRYAY | 1 | KVH-GKRYAY | KTA-GKRYVY | KTA-GKRYVY | KTS-GKRYVY | KTA-GKRYVY | KSG-GRKYTY | KVS-GKRFAY | KVQ-GKRFVY | KVA-GERYVY | KVA-GERYVY | KVA-GERYVY | KVA-GERYVY | KTK-GKRFTY | KVS-GOKFVY | KVN-GOKEVY | KVI-GOKFVY | KWD-GORLWY | KVE-GORLVY | KVE-GORLVY | KVE-GORLVY | KTERSORLVY | RVD-GRRLVY | KVQ-GERHCY | KVKKKLTY | KEP-GORLLF |
| 75 | RYYYDKNIMS | RYYYDKNIMT | RYYYDKNIMT | R | RYYYDKNIMT | RYYYDKNIIH | RYYYDKNVIH | RYYYDKNIIH | RYYYDKNIIH | RYYYRRDIVL | RYYYDGDMIS | RYYYDGDMIC | RYYYEKGIMQ | RYYYEKGIMQ | RYYYEKGIMQ | RYYYEKGIMQ | RYYYNKRILH | RYYYDKNIIR | RYYYVKNIIK | RYYYDKNIIK | RYYYORGILA | RYYYORGILA | RYYYORGILA | RYYYORGILA | ROYYKKGIMK | RYYKREILE | RYYYRVNILR | RNYGKTGEVK | RHYYKLNIIR |
| 65 | MNYDKLSRAL | MNYDKLSRAL | MNYDKLSRAL | MIYDKLSRAL | MNYDKLSRAL | MNYEKLSRGL | MOYEKLSRGL | MNYEKLSRGL | MNYEKLSRGL | MNYEKLSRGL | MNYEKLSRAL | MNYEKLSRAL | MAYDKLSRSL | MNYDKLSRSL | MNYDKLSRSL | MNYDKLSRSL | MNYDKLSRAL | MNYDKLSRAL | MINTDKLSRAL | MNYDKLSRAL | MNYETMGRAL | MINYETMGRAL | MINTELMGRAL | MNYETMGRAL | MNYDKLSRSI | MIYEKLSRAM | MNYDKMSRAL | MTYOKMARAL | MTYEKMSRAL |
| 22 | WGERK-SKPN | WGERK-SKPN | WGERK-SKPN | WGERK-SKPN | WGERK-AKPN | WGKRK-NKPK | WGKRK-NKPK | WGKRK-NKPK | WGIRK-NKPK | WGERK-RKPG | WGEKK-NKPA | WGQRK-NKPT | WGIOK-NRPA | WGIOK-NRPA | WGIOK-NRPA | WGIOK-NRPA | WGRRK-CKPQ | WGLRK-NKTN | WGIRK-NKPN | WGLRK-NKTN | WGMHK-NKPD | WGKHK-NKPD | WGKHK-NKPD | WGKHK-NKPD | WGRRK-NRPA | MGOKK-KNSN | WGIOK-NHLS | WGIQKGNRKK | WGNHK-NRTN |
| 45 | DPDEVARR | DPDEVARR | DPDEVARR | DPDEVARR | DPDEVARR | DPDEVARR | DPDEVARR | DPDEVARR | DPDEVARR | DPKEVARL | DPDRVARL | OPELVAOK | EPEEVARR | EPEEVARR | EPEEVARL | EPEEVARL | DPDEVARL | DAEEVARL | QAEEVARL | KAEEVAKL | DSKAVSRL | DSKAVSRL | DSKAVSKL | DSKAVSKL | DSVRVAKL | RSEAVAQL | DPAGLAKL | SKHKEALAHR | DPNGLARL |
| 35 | G-GHGEFKLT | G-TNGEFKMT | G-TNGEFKMT | G-INGEFKLT | G-OSGEFRLI | G-DGWEFKLS | G-DGWEFKLS | G-DGWEFKLA | G-DGWEFKLT | G-NSREFOLC | G-TEGEFKLT | G-DEGEFKIN | G-RGMEFKLI | G-RGMEFKLI | G-RGMEFKLI | G-RGMEFKLI | QGEYGEFVIK | SRDGGEFKLV | SNNG-EFKLL | SNDG-EFKLL | NREKGVFKLV | QREKGI FKL V | OREKGI FKLV | QREKGI FKLV | DRSKGIFKIE | NRHEGVFKFL | CRDTGVFKIV | DKDKGTFQFS | DKESKIFRIV |
| 25 | NAGCIAWE | NASCITWE | NSSCITWE | NASCITWE | NANAISWE | COSFISWT | COSFISWI | COSFISWT | CQSFISWT | RSSCIRWT | HTDVIEWV | ARDCISWV | NAHFIAWT | NSHFIAWT | NAHFIAWT | NAHFIAWT | FRHVIAWO | NGHIISMT | NEHMICWI | HEHLICWT | Y-CPRFIKWT | T-CPKYIKWT | T-CPRYIKWT | T-CPRYIKWT | V-NGTAIRWI | L-NEGLMKWE | QKYSDLIAWK | MKDSIWWV | -RYENFIRWE |
| 51 | FI.T.RI.T.ADRA | FLLELLSDSA | FLLELLSDSS | FLLELLSDSN | FLLELLADSS | FLLELLTDKS | FLLELLTDKS | FLLELLSDKS | FLLELLDKT | FLLELLODGA | FLLRILIDCE | FLLELLTDKD | FLVTLLDDPA | FLVALLDDPA | PLVALLDDPT | FLVALLDDPT | FILELLOKEE | FLLQLLREQG | FLOLLOEPO | FLHLLLDOK | FLLKLLODRE | FLLALLODKA | FLLDLLODKN | FLLDLLODKN | FLKELLASPO | FIRDILIHPE | FLOOLLNDRN | FLLDLLRSGD | YVYQLLSDS- |
| ഹ | OW.T-OTOPOS | GSGOIO-LWO | GSGOIO-LWO | GSGOIO-LWO | SGGOTO-LWO | GSGPIO-LWO | GSGPTO-LWO | GSGPIO-LWO | GSGPIO-LWO | HRGPIO-LWO | NNGOVO-LWO | NNGOIO-LWO | RRGSLO-LWO | RRGSTO-LWO | RRGALO-LWO | RRGALO-LWO | GSROIO-LWH | MDPSVT-LWO | MDSAIT-LWO | MESAIT-LWO | REGSTIYLWE | GKGNTIYLWE | GKGNTTYLWE | _ | | HAPRGTHLWE | PNTNGRLLWD | SKKKIR-LYQ | RIADCRLLWD |
| | RATPET | MUSFUI | HIMERG | DROFTS3 | DROFTS6 | RATETS1 | VFTS | MISETS2 | DROPNT1 | MUSER71 | DROFIG | MISGABP | HIMERM | HI MFR81 | HI IMF1AF | MISPEAS | HUMPEP1 | HUMELK1 | MUSSAP1 | MUSNET | DROE74A | MUSELF1 | HUMERF1 | HUMNERF1 | DROETS4 | HUMESX | DROYAN | MUSPU1 | HUMTEL |

FIG. 2A

Screening Of Compounds Useful In The
Treatment Of Neurological Diseases
Atty. Docket No.: CASE-06816 Sheet 3 of 13

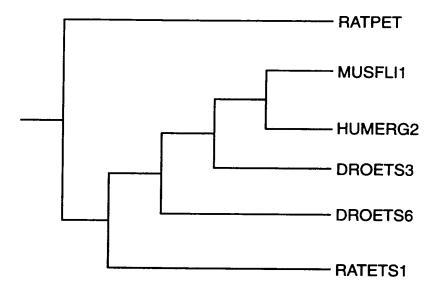
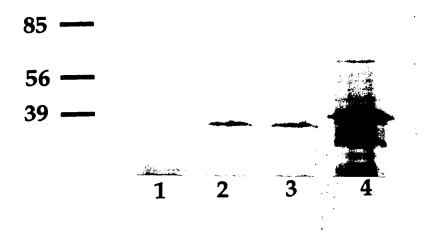


FIG. 2B

Ally. Docker N





B

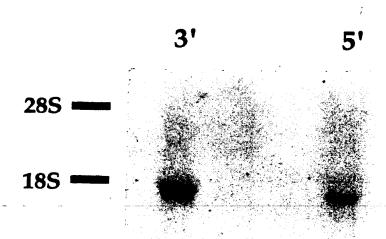
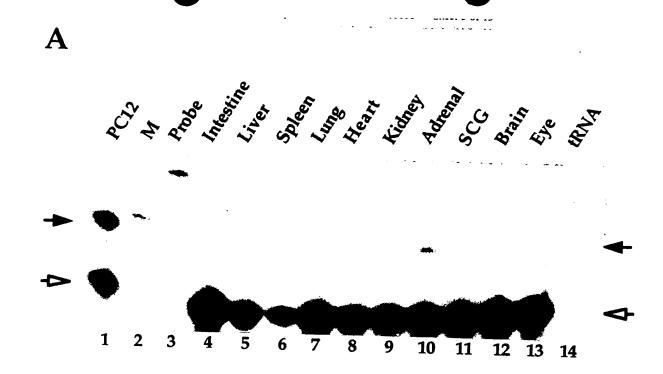


FIG. 3



B

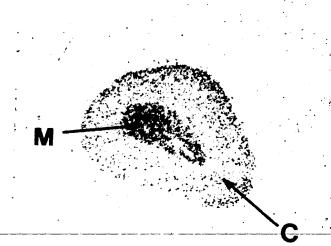


FIG. 4

| anti-EE | - | - | - | - | - | - | - | + : |
|----------|---|---|---|---|----|---|----|-----|
| EE-PET-1 | - | - | + | + | + | + | + | + |
| wt PEA3 | - | - | - | + | ++ | - | - | |
| mut PEA3 | - | - | - | - | - | + | ++ | - |

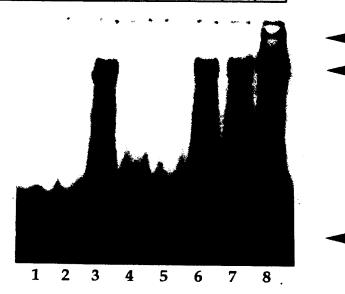


FIG.5

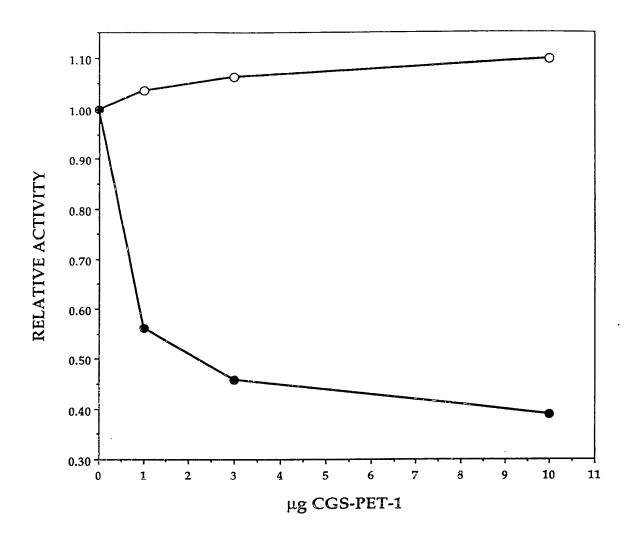


FIG. 6

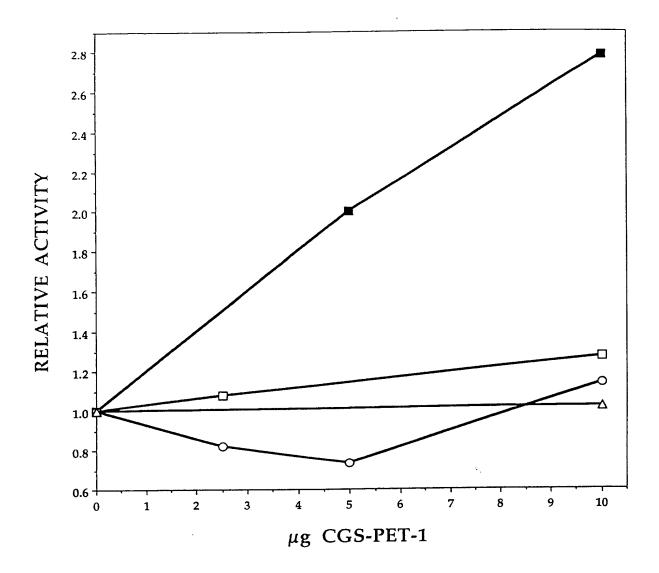


FIG. 7

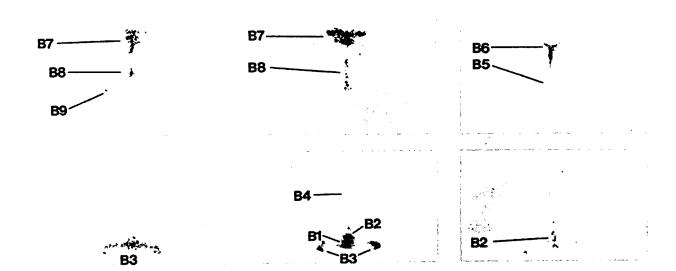


FIG. 8

Filed: 10/25/01 / Serial No.: 10/027,859 Examiner: Group Art Unit: 1653

Applicant: Evan Samuel Deneris Title:Reagents And Methods For The Screening Of Compounds Useful In The Treatment Of Neurological Diseases
Atty. Docket No.: CASE-06816 Sheet 10 of 13

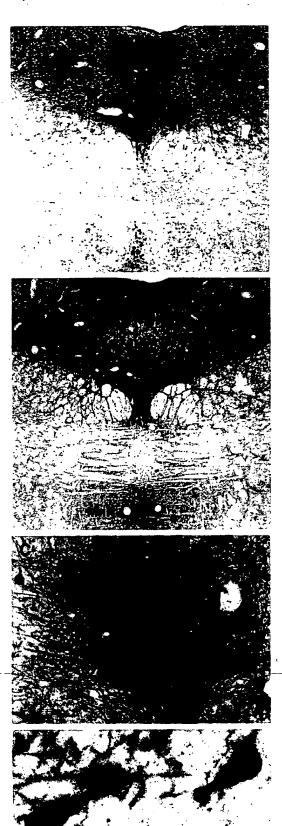


FIG. 9

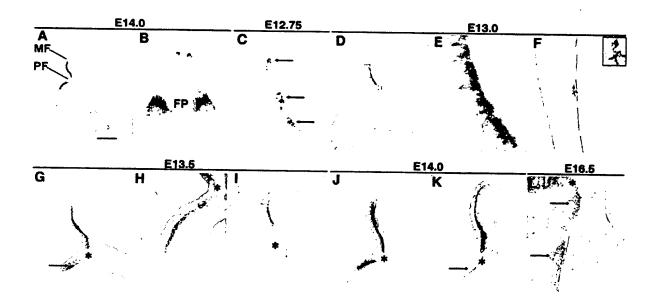


FIG.10

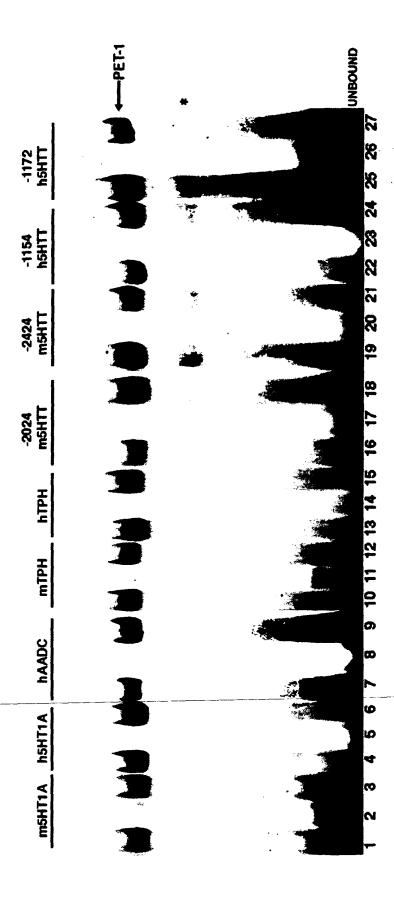


FIG.11

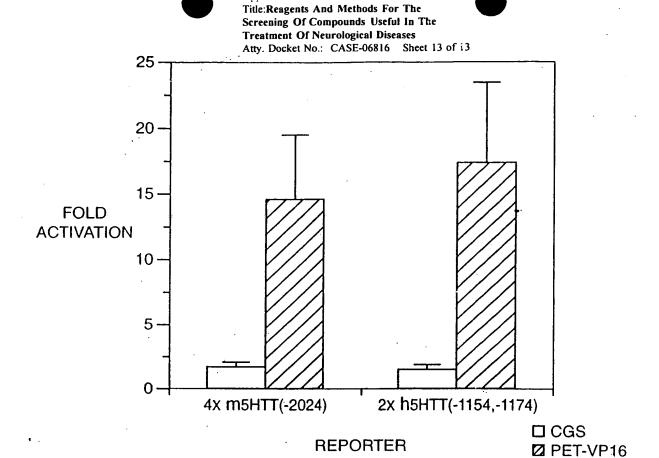


FIG. 12A

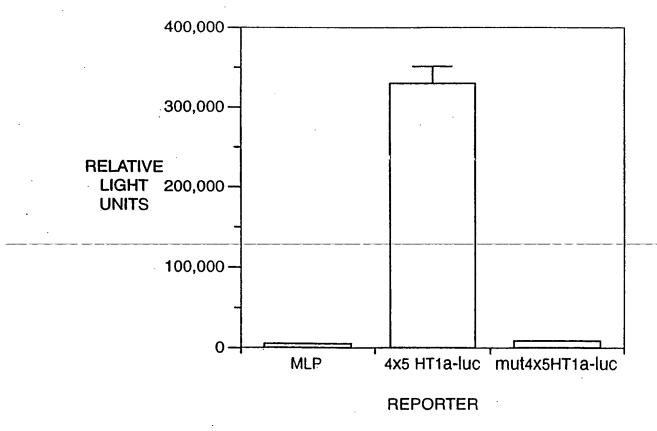


FIG. 12B